

**What the invention claim d is:**

1. A gas control valve assembly comprising:

a valve seat, said valve seat having a gas inlet, at least one gas outlet, a gas passageway in communication between said gas inlet and said at least one gas outlet, and at least one mounting hole disposed between said gas inlet and said at least one gas outlet in air communication with said gas passageway; and

at least one electromagnetic valve respectively mounted in said mounting holes and adapted to control the flowing of fuel gas through said gas passageway to said at least one gas outlet.

2. The gas control valve assembly as claimed in claim 1, wherein said at least one gas outlet includes a first gas outlet and a second gas outlet; said at least one mounting hole includes a first mounting hole and a second mounting hole; said at least one electromagnetic valve includes a first electromagnetic valve mounted in said first mounting hole and adapted to control the flowing of fuel gas from said gas passageway to said second mounting hole and said first gas outlet, and a second electromagnetic valve mounted in said second mounting hole and adapted to control the flowing of fuel gas from said gas passageway to said second gas outlet.

3. The gas control valve assembly as claimed in claim 2, wherein said at least one mounting hole further comprises a third mounting hole; said at least one electromagnetic valve further comprises a third electromagnetic valve mounted in said third mounting hole and adapted to control the flowing of fuel gas from said gas

passageway to said second gas outlet.

4. The gas control valve assembly as claimed in claim 3, wherein said at least one mounting hole further comprises a fourth mounting hole; said at least one electromagnetic valve further  
5 comprises a fourth electromagnetic valve mounted in said fourth mounting hole and adapted to work with said first electromagnetic valve synchronously in controlling the flowing of fuel gas from said gas passageway to said second mounting hole and said third mounting hole and said first gas outlet.

10 5. The gas control valve assembly as claimed in claim 3, wherein said valve seat further comprises at least one screw hole and at least one tapered hole respectively connecting said at least one screw hole to said gas passageway, and at least one detection screw respectively mounted in said at least one screw hole, said at least one  
15 detection screw each having a threaded shank threaded into one of said at least one screw hole, a tapered tip axially forwardly extended from said threaded shank and fitting one of said at least one tapered hole, and two cut planes at two sides of said threaded shank.

6. The gas control valve assembly as claimed in claim 3,  
20 wherein said at least one electromagnetic valve each comprises a through hole, said through hole having an input port, an output port in communication with said gas passageway, and an adjustment screw threaded into the opening of said through hole and adapted to control gas flow rate through said output port, said adjustment screw having a  
25 L-shaped hole formed of a radial section and an axial section in a front

extension thereof, said L-shaped hole having a radial section aimed at said output port.

7. The gas control valve assembly as claimed in claim 3, wherein said at least one electromagnetic valve each comprises a  
5 through hole, said through hole having an input port, an output port in communication with said gas passageway, and an adjustment screw threaded into the opening of said through hole and adapted to control gas flow rate through said output port, said adjustment screw having a front extension suspending in said through hole, said front extension  
10 having a diameter smaller than the diameter of said through hole.

8. The gas control valve assembly as claimed in claim 5, wherein said valve seat has a front side mounted with an infrared receiver and a back side mounted with an electronic igniter, said infrared receiver having at least one through hole respectively aimed at  
15 said at least one detection screw in said at least one screw hole and respectively sealed with a detachable plug.

9. The gas control valve assembly as claimed in claim 5, wherein said valve seat has a front side mounted with an electronic igniter, said electronic igniter having at least one through hole  
20 respectively aimed at said at least one detection screw in said at least one screw hole and respectively sealed with a detachable plug.

10. The gas control valve assembly as claimed in claim 5, wherein said valve seat has a back side mounted with an electronic igniter.

25 11. The gas control valve assembly as claimed in claim 5,

wherein said at least one screw hole is respectively mounted with a respective retainer adapted to stop the respective detection screw from falling out of the respective screw hole.

12. The gas control valve assembly as claimed in claim 5,  
5 wherein said at least one screw hole each has a tapered outer end, said tapered outer end having a diameter gradually reduced toward the outside.

13. The gas control valve assembly as claimed in claim 5,  
wherein said at least one screw hole includes one screw hole connected  
10 to said gas passageway between said gas inlet and said first mounting hole.

14. The gas control valve assembly as claimed in claim 6,  
wherein said adjustment screw has an annular groove extended around the periphery of said front extension across said L-shaped hole.

15 15. The gas control valve assembly as claimed in claim 6,  
wherein said at least one electromagnetic valve each comprises a valve stem controlled to close/open said input port of said through hole, and a washer mounted on said valve stem.

16. The gas control valve assembly as claimed in claim 7,  
20 wherein said at least one electromagnetic valve each comprises a valve stem controlled to close/open said input port of said through hole, and a washer mounted on said valve stem.

17. The gas control valve assembly as claimed in claim 8,  
wherein said electronic igniter and said infrared receiver are received  
25 inside a control box being fastened to the front side of said valve seat.

18. The gas control valve assembly as claimed in claim 13, wherein said at least one screw hole includes one screw hole connected to said gas passageway between said first mounting hole and said second mounting hole.

5           19. The gas control valve assembly as claimed in claim 17, wherein said control box is provided outside said valve seat.

20. The gas control valve assembly as claimed in claim 18, wherein said at least one screw hole includes one screw hole connected to said gas passageway between said second mounting hole and said  
10   second gas outlet.